

What is claimed is:

1. An isolated nucleic acid molecule which codes for a protein comprising the amino acid sequence according to SEQ ID NO 1.
2. The nucleic acid molecule according to claim 1, which codes for a protein exclusively consisting of the amino acid sequence according to SEQ ID NO 1.
3. The nucleic acid molecule according to claim 1 or claim 2, which is a DNA molecule.
4. The nucleic acid molecule according to claim 3, comprising a base sequence according to SEQ ID NO 2 or a base sequence which differs from the sequence according to SEQ ID NO 2 only due to the degeneracy of the genetic code.
5. The nucleic acid molecule according to claim 3, comprising a base sequence according to SEQ ID NO 3 or a base sequence which differs from the sequence according to SEQ ID NO 3 only due to the degeneracy of the genetic code.
6. The nucleic acid molecule according to claim 3, comprising a base sequence according to SEQ ID NO 4 or a base sequence which differs from the sequence according to SEQ ID NO 4 only due to the degeneracy of the genetic code.
7. The nucleic acid molecule according to claim 3, which exclusively consists of a base sequence selected from the group of the base sequences SEQ ID NO 2, SEQ ID NO 3, SEQ ID NO 4 and a base sequence which differs from any of the said base sequences only due to the degeneracy of the genetic code.
8. A vector comprising a nucleic acid molecule according to any one of claims 1 to 7.
9. The vector according to claim 8, additionally comprising at least one further nucleic acid molecule coding for a protein selected from the group of proteins encoded by the following *Acremonium chrysogenum* genes: pcbAB, pcbC, cefD1, cefD2, cefEF and cefG.

10. The vector according to claim 8, additionally comprising two further nucleic acid molecules coding for the proteins encoded by the *Acremonium chrysogenum* genes *pcbAB* and *pcbC*, respectively.

11. The vector according to claim 8, additionally comprising two further nucleic acid molecules coding for the proteins encoded by the *Acremonium chrysogenum* genes *cefD1* and *cefD2*, respectively.

12. The vector according to claim 8, additionally comprising two further nucleic acid molecules coding for the proteins encoded by the *Acremonium chrysogenum* genes *cefEF* and *cefG*, respectively.

13. The vector according to any one of claims 8 to 12, which is suitable for transformation of a host cell.

14. The vector according to claim 13, wherein the host cell is a microorganism.

15. The vector according to claim 14, wherein the microorganism is *Acremonium chrysogenum*.

16. A host cell which has been transformed with a vector according to any one of claims 8 to 15.

17. The host cell according to claim 16, which is a microorganism.

18. The host cell according to claim 17, wherein the microorganism is *Acremonium chrysogenum*.

19. A process for production of cephalosporin C, comprising culturing of a host cell according to claim 18 under conditions suitable for effecting production of cephalosporin C by the host cell.

20. The process according to claim 19, further comprising isolation of the cephalosporin C produced.

21. An isolated protein comprising an amino acid sequence according to SEQ ID NO 1.
22. The protein according to claim 21, which exclusively consists of the amino acid sequence according to SEQ ID NO 1.